

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P289927

Luminaire Tested: **4SSRK-LW-40-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LW-40-L950-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3366.9 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

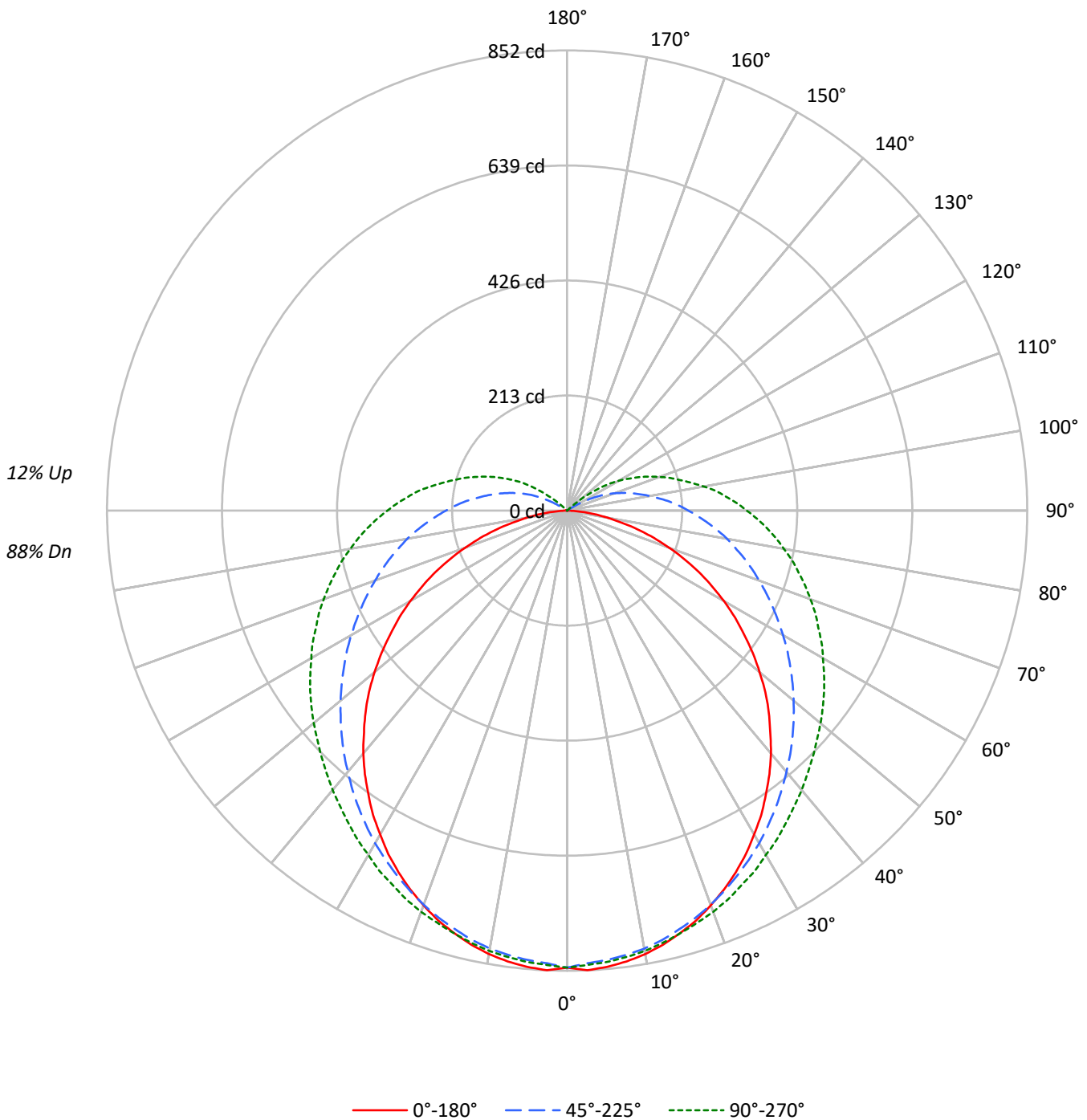
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54644	54644	54644
5°	54769	43326	40292
10°	54268	35905	31838
15°	53533	30387	26144
20°	52644	26165	22122
25°	51643	22774	19018
30°	50429	20014	16590
35°	49166	17667	14651
40°	47825	15670	13075
45°	46287	13973	11757
50°	44519	12485	10669
55°	42477	11174	9742
60°	40370	10021	8912
65°	37708	8988	8188
70°	34090	8070	7550
75°	29326	7245	6951
80°	22622	6503	6396
85°	13653	5751	5887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	2.4
10°-20°	228.1	6.8
20°-30°	345.8	10.3
30°-40°	422.1	12.5
40°-50°	454.6	13.5
50°-60°	446.5	13.3
60°-70°	403.4	12.0
70°-80°	335.9	10.0
80°-90°	257.6	7.7
90°-100°	186.5	5.5
100°-110°	120.5	3.6
110°-120°	64.9	1.9
120°-130°	20.5	0.6
130°-140°	0.8	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	653.8	19.4
0°-40°	1075.8	32.0
0°-60°	1976.9	58.7
0°-90°	2973.7	88.3
90°-120°	371.9	11.0
90°-150°	393.2	11.7
90°-180°	393.0	11.7
0°-180°	3366.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	848	845	835	842	839	80
15°	810	808	802	811	810	228
25°	739	740	746	762	765	340
35°	642	650	672	699	706	402
45°	528	548	590	629	644	407
55°	400	439	504	560	581	358
65°	269	327	419	490	513	265
75°	136	225	339	417	444	144
85°	27	138	261	343	371	33
90°	1	104	224	305	332	2
95°	2	75	190	269	296	1
105°	2	27	124	194	218	2
115°	1	1	62	123	146	1
125°	1	0	0	49	70	1
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	846.1	846.1	846.1	846.1	846.1
2.5°	851.9	848.3	839.0	844.8	842.1
5°	847.9	844.8	835.4	841.7	839.0
7.5°	842.1	839.0	830.1	836.3	834.1
10°	833.6	830.5	823.4	829.6	827.9
12.5°	823.0	820.7	814.1	821.6	819.8
15°	809.6	807.8	802.5	811.4	810.1
17.5°	795.4	793.6	790.5	799.8	800.3
20°	777.6	777.1	776.7	788.7	790.5
22.5°	759.3	759.8	761.5	776.2	778.9
25°	738.8	739.7	745.5	761.5	764.7
27.5°	717.0	720.1	728.6	747.3	752.2
30°	692.5	697.9	711.2	730.8	736.2
32.5°	668.5	674.3	692.1	715.2	722.4
35°	641.8	650.3	672.5	699.2	706.3
37.5°	615.1	624.9	652.5	681.4	690.3
40°	587.1	600.0	631.6	664.1	675.6
42.5°	556.8	575.0	611.5	646.3	659.2
45°	527.9	547.9	590.2	628.9	643.6
47.5°	498.0	522.1	568.8	612.0	627.6
50°	465.1	494.0	547.5	595.1	612.4
52.5°	433.1	467.3	526.1	577.7	596.9
55°	399.7	439.3	504.3	560.4	580.8
57.5°	368.5	410.8	483.4	542.1	563.9
60°	335.1	383.2	461.6	525.2	547.0
62.5°	301.3	355.6	440.2	507.0	531.4
65°	268.8	327.1	419.3	489.6	513.2
67.5°	234.1	301.3	398.8	470.9	497.6
70°	201.2	274.6	378.3	453.1	479.4
72.5°	168.2	248.8	358.3	435.3	462.0
75°	135.8	225.2	338.7	417.0	443.7
77.5°	103.3	200.3	318.7	398.8	426.8
80°	75.2	178.5	300.9	380.1	407.3
82.5°	51.2	158.0	280.8	362.3	389.9
85°	27.2	138.0	261.3	342.7	371.2
87.5°	8.0	120.2	242.1	323.6	352.1
90°	0.9	103.7	224.3	304.9	332.5
92.5°	1.3	89.5	207.4	288.0	314.7
95°	1.8	75.2	190.1	269.3	295.5
97.5°	1.8	62.8	172.2	250.1	278.2
100°	1.8	50.7	155.3	230.6	256.4
102.5°	1.8	39.6	139.3	211.0	236.3
105°	1.8	26.7	123.7	193.6	217.6
107.5°	1.8	13.4	108.6	176.7	200.3
110°	1.8	2.7	93.5	159.3	182.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	1.8	78.8	141.1	164.2
115°	1.3	1.3	62.3	123.3	146.4
117.5°	1.3	1.3	44.5	106.8	127.7
120°	1.3	0.9	25.8	89.5	110.4
122.5°	0.9	0.9	8.5	69.4	92.1
125°	0.9	0.4	0.4	49.4	70.3
127.5°	0.9	0.4	0.0	27.6	47.6
130°	0.9	0.4	0.0	8.0	27.2
132.5°	0.9	0.4	0.0	0.0	5.8
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)